

Amendments to Claims

Please amend the claims as detailed below. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)
2. (Currently amended) The standardized peripheral apparatus of claim 134, wherein the thermal management arrangement comprises an outlet vent is an outlet vent, disposed on a first portion of a first surface of the case, to facilitate an exhaust of heat generated by the integrated circuit into an ambient.
3. (Currently amended) The standardized peripheral apparatus of claim 2, further comprising:
wherein the thermal management arrangement further includes an inlet vent disposed on a second portion of a second surface of the case, to facilitate an intake of air from the ambient.
4. (Original) The standardized peripheral apparatus of claim 3, wherein the first and second surfaces are of the same surface.
5. (Cancelled)
6. (Currently amended) The standardized peripheral apparatus of claim 53, wherein the flow generating device is positioned substantially near the inlet vent.
7. (Original) The standardized peripheral apparatus of claim 6, wherein the flow generating device comprises a jet actuator.
8. (Currently amended) The standardized peripheral apparatus of claim 7, wherein the jet actuator comprises a selected one of a piezoelectric synthetic jet actuator ~~and/or~~ an electromagnetic synthetic jet actuator.
9. (Original) The standardized peripheral apparatus of claim 7, wherein the jet actuator is approximately between 2-3 mm high.
10. (Original) The standardized peripheral apparatus of claim 7, wherein the jet actuator operates on input powers approximately between 10 and 50 milliwatts.
11. (Currently amended) The standardized peripheral apparatus of claim 3, wherein the thermal management arrangement further comprises comprising:
at least one partition disposed inside the case using available space to provide a plurality of air flow chambers; ~~and~~
a flow generating device disposed inside the case using available space to facilitate an air flow over a portion of the integrated circuit.

12. (Original) The standardized peripheral apparatus of claim 11, wherein the flow generating device and at least a portion of the integrated circuit are located substantially in a first air flow chamber.
13. (Original) The standardized peripheral apparatus of claim 12, wherein the first air flow chamber is defined in part by the second portion of the second surface on which the inlet vent is disposed; and the first portion of the first surface on which the outlet vent is disposed defines a second air chamber.
14. (Original) The standardized peripheral apparatus of claim 13, wherein the first air flow chamber is flow-coupled to the second air flow chamber.
15. (Currently amended) The standardized peripheral apparatus of claim ~~13~~14, wherein the ~~board, the~~ integrated circuit, the case and the thermal management arrangement form a PC Card.
16. (Currently amended) The standardized peripheral apparatus of claim 15, wherein the PC Card is a selected one of a data storage device ~~and~~or a communication interface adapter.
17. (Cancelled)
18. (Currently amended) The standardized peripheral apparatus of claim ~~17~~36, wherein the first and second surfaces are of the same surface.
19. (Original) The standardized peripheral apparatus of claim 18, wherein the flow generating device is positioned substantially near the inlet vent.
20. (Original) The standardized peripheral apparatus of claim 19, wherein the flow generating device includes a synthetic jet actuator.
21. (Currently amended) The standardized peripheral apparatus of claim 20, wherein the synthetic jet actuator is a selected one of a piezoelectric type ~~and~~or an electromagnetic type.
22. (Original) The standardized peripheral apparatus of claim 21, wherein the synthetic jet actuator operates on input powers substantially between 10 and 50 milliwatts.
23. (Currently amended) The standardized peripheral apparatus of claim ~~19~~36, wherein the connector comprises a selected one of a 32-bit Cardbus connector ~~and~~or a universal serial bus connector.

24. (Cancelled)

25. (Currently amended) The method of claim ~~24~~37, wherein ~~the vent is an outlet vent and the method further comprising modifying or augmenting the case includes~~ providing an inlet vent to introduce air from an ambient into the ~~an~~ interior of the case;
providing an outlet vent to exhaust at least a portion of air from the interior of the case to the ambient.

26. (Cancelled)

27. (Currently amended) The method of claim ~~26~~37, wherein the flow generating device comprises a synthetic jet actuator.

28.-29. (Cancelled)

30. (Currently amended) The system of claim ~~29~~38, wherein the flow generating device is a selected one of a piezoelectric synthetic jet actuator ~~and/or~~ an electromagnetic jet actuator.

31. (Currently amended) The system of claim ~~28~~38, wherein the electronic circuitry includes a selected one of a data storage device ~~and/or~~ a communication interface adapter.

32. (Currently amended) The system of claim ~~28~~38, wherein the host device is a selected one of a set-top box, a mobile phone, a digital camera, ~~and/or~~ a personal digital assistant.

33. (Currently amended) The system of claim ~~28~~38, wherein the connector comprises a selected one of a 32-bit Cardbus connector ~~and/or~~ a universal serial bus connector.

34. (New) A standardized peripheral apparatus comprising
a board;
an integrated circuit coupled to the board;
a case, enclosing the integrated circuit and the board, having a form factor including a plurality of external dimensions compatible with an industry standard having a plurality of specifications governing the form factor and the external dimensions; and
a thermal management arrangement including
a vent on the case to at least facilitate an exhaust of heat convectively emitted from the integrated circuit into an ambient, and
a flow generating device coupled to the board to provide an air current to at least facilitate the exhaust of the convectively emitted heat through the vent.

35. (New) The standardized peripheral apparatus of claim 11, wherein a partition of the at least one partition is connected to the board.

36. (New) A standardized peripheral apparatus comprising:
a board;
an integrated circuit coupled to the board;
a case, encasing the integrated circuit and the board, having
an outlet vent disposed on a first portion of a first surface of the case to facilitate exhaust of heat convectively emitted from the integrated circuit, into an ambient; and
an inlet vent disposed on a second portion of a second surface of the case, to facilitate an intake of air from the ambient;
a flow generating device disposed inside the case, to at least facilitate an air flow over the integrated circuit in a general direction from the inlet vent to the outlet vent; and
a connector, to directly couple the standardized peripheral apparatus to a host device in a substantially rigid relationship.
37. (New) A method comprising:
operating an integrated circuit, housed inside of a case having a form factor including a plurality of external dimensions complying with an industry standard having a plurality of specifications governing the form factor and the external dimensions, leading to heat being convectively emitted from the integrated circuit; and
providing an airflow with a flow generating device to exhaust the convectively emitted heat through a vent in the case.
38. (New) A system comprising:
a host device;
a standardized peripheral device including
electronic circuitry including an integrated circuit;
a case encasing the electronic circuitry, the case having a form factor including a plurality of external dimensions compatible with an industry standard having a plurality of specifications governing the form factor and the external dimensions; and
a thermal management arrangement including
a vent on the case to at least facilitate an exhaust of heat convectively emitted from the integrated circuit into an ambient, and
a flow generating device coupled to the board to provide an air current to at least facilitate the exhaust of the convectively emitted heat through the vent; and
a connector, to couple the standardized peripheral device to the host device.